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<b>(51) International Patent Classification <sup>6</sup>:</b>  <b>A61K 49/00</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 99/17809</b>  <b>(43) International Publication Date:</b> 15 April 1999 (15.04.99)
<b>(21) International Application Number:</b> PCT/US98/20182 <b>(22) International Filing Date:</b> 24 September 1998 (24.09.98)  <b>(30) Priority Data:</b> 08/942,989      2 October 1997 (02.10.97)      US  <b>(71) Applicant:</b> EPIX MEDICAL, INC. [US/US]; 71 Rogers Street, Cambridge, MA 02142-1118 (US).  <b>(72) Inventors:</b> LAUFFER, Randall, B.; 23 Sumner Road, Brookline, MA 02146 (US). DUNHAM, Stephen, O.; 4025 Mayflower Hill, Waterville, ME 04901 (US).  <b>(74) Agents:</b> HALEY, James, F., Jr. et al.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (US).		<b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> CONTRAST-ENHANCED DIAGNOSTIC IMAGING METHOD FOR MONITORING INTERVENTIONAL THERAPIES  <b>(57) Abstract</b>  <p>The present invention relates to a contrast-enhanced diagnostic imaging method for monitoring the efficacy of interventional therapies. The contrast agents useful in this method comprise an image-enhancing moiety (IEM) and a state-dependent tissue binding moiety (SDTBM). These contrast agents exhibit state-dependent binding to one or more components of a targeted tissue or tissue component and provide a detectable change in the signal characteristics of the agent once bound to the targeted tissue. As a result, these agents exhibit a binding affinity for, and thus image contrast of, the targeted tissue which changes as the tissue-state changes during therapy.</p>		

1/3

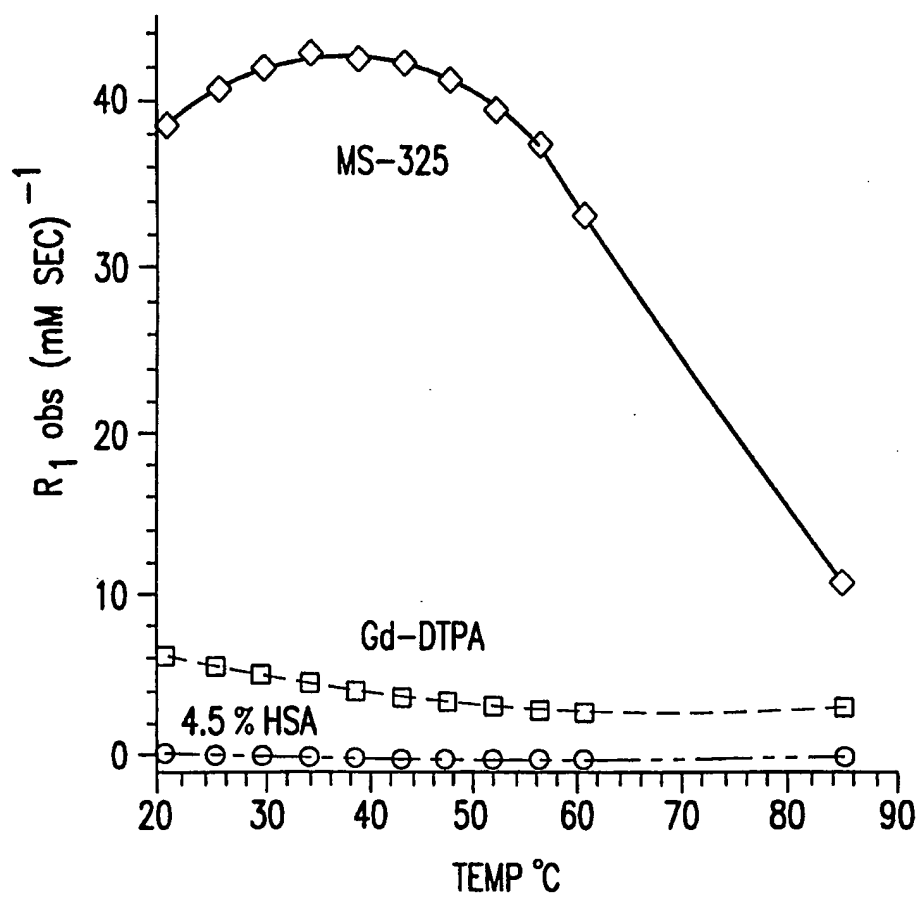


FIG.1

2/3

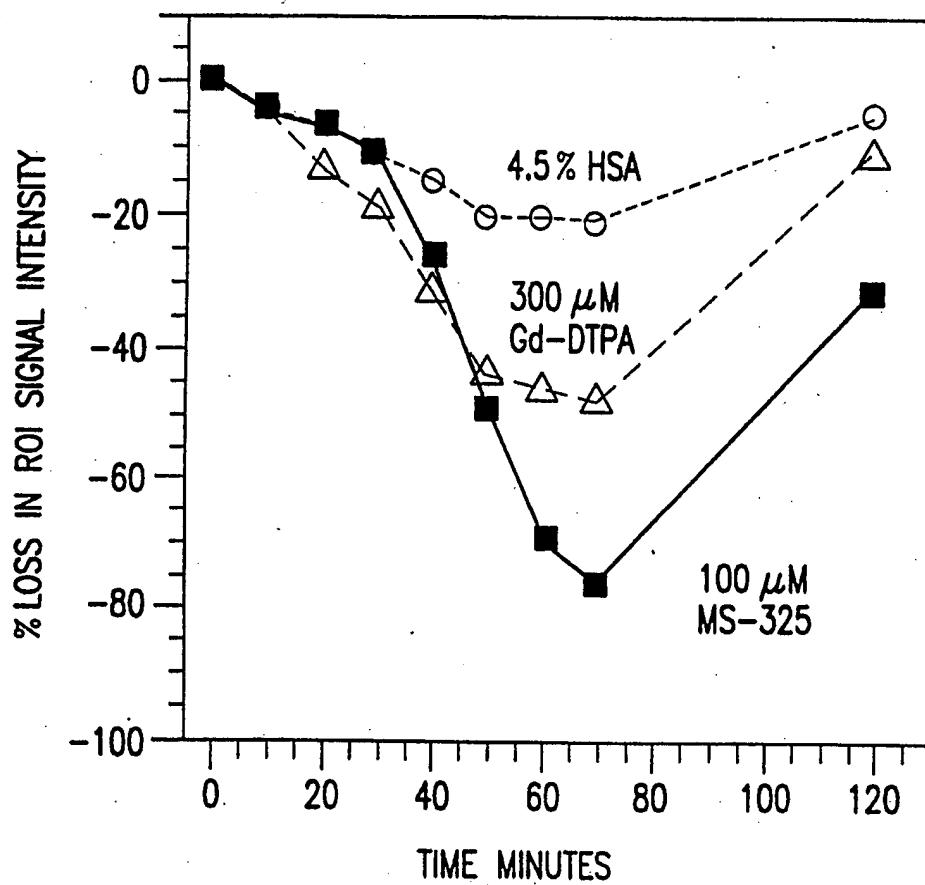


FIG. 2

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3/3

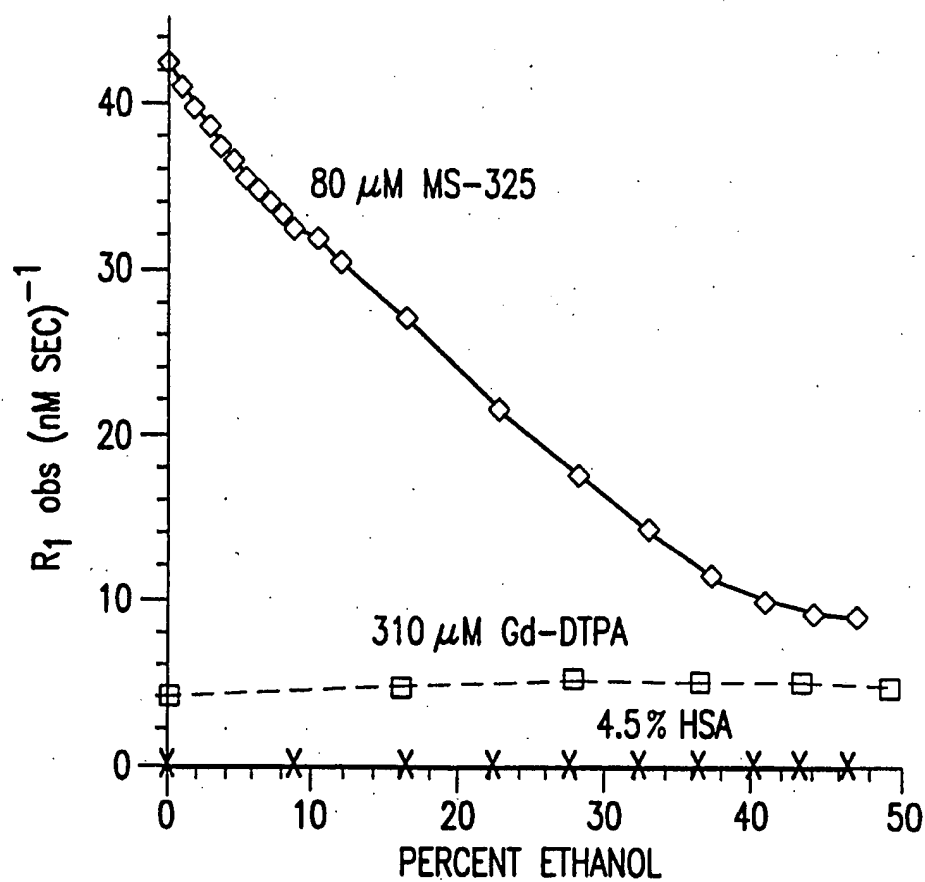


FIG.3

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